Index of Claims

| Ap | plica | ıtion | ı/Co | ntro | l No. |
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10/713,128

Examiner

Reexamination FAYE ET AL.

Applicant(s)/Patent under

Art Unit

Vaughn T. Coolman

3618

Rejected **Allowed** 

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |  |
|---|--------------|--|
| ı | Interference |  |

| A | Appeal   |
|---|----------|
| o | Objected |

| Cla      | im   | Date                                  |          |               |  |              |          |             |          | _         |
|----------|--|---------------------------------------|----------|---------------|--|--------------|----------|-------------|----------|-----------|
|          |  | -                                     | ſ        |               | _  | T            | Ť        | Г           | _        | П         |
| Final    | Original   | 90/1/2                                |          |               |  | :            |          |             |          |           |
|          | 1  | 1                                     |          |               |  |              |          |             |          |           |
|          | 2  | J                                     | _        | ┢             | _  | ┢            | $\vdash$ |             | _        |           |
|          | 3  | J                                     | $\vdash$ | ┢             | <del> </del>                                     | -            | <u> </u> | H           |          | Н         |
|          | 7  | ij                                    | -        | $\vdash$      | -  | $\vdash$     | $\vdash$ | $\vdash$    | _        |           |
|          |  | 1                                     | ⊢        | -             | ┝  | ⊢            | ⊢        | _           |          | $\vdash$  |
|          | 5  | , V                                   | _        | -             | <del>                                     </del> | -            | ┝        | _           | _        | H         |
|          | 1<br>2<br>3<br>4<br>5<br>6   | , V                                   | $\vdash$ | -             | -  | <u> </u>     | <u> </u> |             |          | Н         |
|          |  | V                                     | -        | ┝             | -  | <u> </u>     | ┝        | ┝           |          | $\vdash$  |
|          | 8  | V<br>J                                | -        | ┝             | <u> </u>   | -            | _        | <u> </u>    |          |           |
|          | 40   | \ \ \                                 | <u> </u> | <u> </u>      | <u> </u>   | <u> </u>     |          | <u> </u>    |          | Ш         |
|          | 10   | , V                                   | _        |               |  |              |          | _           |          | _         |
|          | 111  | V                                     |          | <b> </b>      | <u> </u>   | <u> </u>     | <u> </u> | _           | _        | <u> </u>  |
| L        | 12   | Į,                                    | <u> </u> | <u> </u>      | <u> </u>   | <del> </del> |          | <u> </u>    | <u> </u> |           |
| <u> </u> | 13   | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | <u> </u> | <u> </u>      | <u> </u>   | <u> </u>     | <u> </u> | <u> </u>    | <u> </u> | $\square$ |
| L        | 11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23 | 1                                     | <u> </u> | <u> </u>      | <u> </u>   | <u> </u>     | <u> </u> | <u> </u>    | <u> </u> | Ш         |
| L        | 15   |                                       |          | <u> </u>      | <u> </u>   | <u> </u>     | <u> </u> | L_          | <u> </u> | Щ         |
|          | 16   |                                       | L.       |               | _  |              | <u> </u> |             |          |           |
|          | 17   |                                       | L_       | <u> </u>      |  |              | ļ        |             | _        | Ш         |
|          | 18   |                                       |          |               | _  |              |          |             | <u> </u> |           |
| <u> </u> | 19   |                                       |          | _             | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | <u> </u>     | L        |             |          |           |
|          | 20   |                                       |          |               |  |              |          |             | _        |           |
|          | 21   |                                       | _        |               | _  | L            |          |             |          |           |
|          | 22   | L                                     |          | <u> </u>      |  | L            | _        |             |          | Ш         |
|          | 23   | L_                                    |          | <u> </u>      |  |              |          |             |          |           |
|          | 24<br>25<br>26<br>27<br>28<br>29<br>30                                     | _                                     |          |               |  | _            |          |             |          | _         |
|          | 25   |                                       |          | _             | ļ  | _            |          |             | _        | Щ         |
|          | 26   |                                       |          | <u> </u>      | <u> </u>   | L.           | ļ        |             | _        |           |
|          | 27   |                                       |          |               | <u> </u>   | _            | _        |             |          |           |
|          | 28   |                                       | L        | _             | <u> </u>   | <u> </u>     | <u> </u> | L           | L_       | <u> </u>  |
|          | 29   |                                       |          |               |  | _            | <u> </u> |             |          | L         |
|          | 30   | <u> </u>                              | L        |               |  | _            |          |             |          |           |
|          | 31   |                                       |          |               |  |              |          |             | <u> </u> |           |
|          | 32   |                                       |          | <u> </u>      |  |              |          | L           | _        |           |
|          | 32<br>33   |                                       |          |               |  |              |          |             |          |           |
|          | 34   |                                       |          |               | L  |              | L        |             |          |           |
|          | 35   |                                       |          |               |  |              |          |             |          |           |
|          | 36   |                                       |          |               |  |              |          |             |          |           |
|          | 37   |                                       |          |               |  |              |          |             |          |           |
|          | 38   |                                       |          |               | L  |              | L        |             |          |           |
|          | 39   |                                       |          |               |  |              |          |             |          |           |
|          | 40   |                                       |          | L             |  |              |          |             |          |           |
|          | 41   |                                       | L        |               |  |              |          |             |          |           |
|          | 42   |                                       |          |               |  |              |          |             |          |           |
|          | 43   | L                                     | L        | L             |  |              | L        |             |          |           |
|          | 44   |                                       |          |               |  |              |          |             |          |           |
|          | 45   | L                                     |          |               |  |              |          |             |          |           |
|          | 46   |                                       |          |               |  |              |          |             |          |           |
|          | 47   |                                       |          |               | Γ  |              |          |             |          |           |
|          | 48   |                                       |          |               |  |              |          |             |          | П         |
|          | 49   |                                       |          |               |  |              |          |             |          |           |
|          | 50   | $\overline{}$                         |          | $\overline{}$ | $\overline{}$                                    | Г            |          | <del></del> | -        |           |

| Clai     | m        |          |              |          | 1        | Date           | e        |              |                |                |   | Cla   | iim       |                     |          |          | [        | Date | <b>.</b> |          |          |          | ] [         |
|----------|----------|----------|--------------|----------|----------|----------------|----------|--------------|----------------|----------------|---|-------|-----------|---------------------|----------|----------|----------|------|----------|----------|----------|----------|-------------|
|          | Original | 90/1/1   |              |          |          |                |          |              |                |                |   | Final | Original  |                     |          |          |          |      |          |          |          |          |             |
|          |          |          |              |          |          | L              |          |              |                | _              |   |       |           |                     |          |          |          |      |          |          |          |          |             |
| 4        | 1        | 1        |              | L_       | _        | _              | L        | _            |                | <u> </u>       |   |       | 51        | $\sqcup$            | _        |          | _        |      |          |          |          |          |             |
| $\perp$  | 2        | V        |              |          | <u> </u> |                | _        |              | _              | L              |   |       | 52        |                     |          |          | _        |      |          |          | _        |          |             |
| 4        | 3        | 1        |              |          | ļ        | <u> </u>       |          |              | ļ              | L              |   |       | 53        |                     |          |          |          |      |          |          |          |          | -           |
| +        | 4        | 1        |              | _        | _        | <u> </u>       | <u> </u> |              |                | <u> </u>       |   |       | 54        | $\dashv$            | _        |          |          | _    |          |          |          | _        | -           |
| 4        | 5        | 1        |              | _        | <u> </u> | <u> </u>       | _        |              |                | <u> </u>       |   |       | 55        |                     |          |          |          |      |          |          | _        | _        | -           |
| +        | 6        | 1        |              |          | <u> </u> | <u> </u>       |          |              | <u> </u>       | L              |   |       | 56        | Щ                   | _        |          | _        |      |          |          |          |          | -           |
|          | 7        | 1        | _            | _        | <u> </u> | <u> </u>       |          | _            | ₩              | <u> </u>       |   |       | 57        | _                   |          |          |          |      |          | _        |          |          | -           |
| $\dashv$ | 8        | 1        | -            |          | ┡        | _              |          |              |                | _              |   |       | 58        | $\sqcup$            |          |          | _        |      | _        |          |          |          | -           |
| -        | 9        | 1        | H            | _        | <u> </u> | _              | _        |              |                | _              |   |       | 59        | $\dashv$            | _        |          | _        |      |          |          |          |          | -           |
| +        | 10       | 1        | _            |          |          |                | _        | _            | <u> </u>       | <u> </u>       |   |       | 60        | $\vdash$            |          |          |          |      |          |          | _        |          | -           |
| +        | 11       | 1        | H            | _        | _        | <u> </u>       |          | _            |                | <u> </u>       |   |       | 61        | $\dashv$            |          |          | _        |      |          | _        |          | _        | <b>∤</b>    |
| -        | 12       | 1        | -            | _        |          | <del> </del>   |          |              | <u> </u>       | _              |   |       | 62        |                     |          |          | <u> </u> |      |          |          |          |          | -           |
| +        | 13       | 1        |              |          | ⊢        | <u> </u>       | <u> </u> | _            | <u> </u>       | <u> </u>       |   |       | 63        | $\vdash$            |          |          | _        |      | _        | _        |          |          | -           |
| +        | 14       | 1        | L            |          | -        |                | <u> </u> | _            | <u> </u>       | <b> </b> _     |   |       | 64        | $\square$           |          |          | _        |      | _        |          |          |          | -           |
| 4        | 15       |          |              |          | <u> </u> | <b> </b>       | <u> </u> |              | <u> </u>       | <u> </u>       |   |       | 65        | $\square$           |          |          | _        |      |          |          |          |          | <b> </b>    |
| +        | 16       | _        | <u> </u>     |          | _        | _              | <u> </u> |              |                |                |   |       | 66        |                     |          |          |          |      |          |          |          |          | <b>∤</b>    |
| +        | 17       |          | <u> </u>     | _        |          | <u> </u>       | ļ        |              | _              | _              |   |       | 67        | $\square$           |          |          |          | _    |          |          |          |          | -           |
| 4        | 18       |          |              | _        | L        | _              | <u> </u> |              | ļ              |                |   |       | 68        | $\square$           |          |          | _        |      | <u> </u> |          | L_       |          | <b>│</b>    |
| +        | 19       |          |              | _        | ┡        | <u> </u>       | <u> </u> | _            | <u> </u>       | <u> </u>       |   |       | 69        |                     |          |          | <u> </u> |      |          |          |          |          | <b>!</b>    |
| -        | 20       | <u> </u> | _            |          | _        | _              | _        |              | ļ              | <u> </u>       |   |       | 70        | Ш                   |          |          | _        |      | _        |          | _        | _        | <b>!</b>    |
| +        | 21       |          |              |          | <u> </u> | <u> </u>       |          |              | _              | _              |   |       | 71        |                     | _        |          | _        | _    |          |          |          |          | Į  -        |
|          | 22       | <u> </u> |              | _        | <u> </u> | <u> </u>       | _        |              | <u> </u>       | <u> </u>       |   |       | 72        |                     |          |          | _        |      | L.       | _        | _        |          | -           |
| 4        | 23       | <u> </u> |              | _        |          | _              | <u> </u> |              | _              |                |   |       | 73        | $\sqcup$            |          |          | _        |      | _        | _        | _        |          | ļ  -        |
| +        | 24       | _        |              |          |          | _              |          |              |                | L              |   |       | 74        |                     |          |          |          |      |          |          |          | _        | -           |
| -        | 25       | _        | _            | _        | <u> </u> |                | ļ        |              | <u> </u>       | <u> </u>       |   |       | 75        |                     | _        |          | _        |      | L        |          |          |          | <b>!</b>  - |
| 4        | 26       |          |              |          | <u> </u> | L.             | <u> </u> |              | L.             | _              |   |       | 76        |                     |          |          | L        | _    | L        |          |          |          | <b>!</b>    |
|          | 27       |          |              |          | <u> </u> | _              | <u> </u> |              | <u> </u>       | <u> </u>       |   |       | 77        |                     | _        |          |          |      | _        |          | _        | _        | -           |
| -        | 28       |          | <u> </u>     | _        | <u> </u> | <u> </u>       | <u> </u> |              |                | <u> </u>       |   |       | 78        |                     |          |          | _        |      | _        | _        |          |          | Į ∤         |
|          | 29       |          | _            | _        | _        | <u> </u>       | _        |              | <u> </u>       | ┞              |   |       | 79        |                     | _        |          | _        |      | _        |          |          |          | Į ∤         |
| -        | 30       | <u> </u> |              |          | ļ        | <u> </u>       | <u> </u> |              |                | _              |   |       | 80        |                     |          |          | _        |      | _        |          | <u> </u> |          | <b>!</b>    |
| +        | 31       | <u> </u> | -            |          | ⊢        | <u> </u>       | L        |              | ļ.             | -              |   |       | 81        | -                   |          |          |          |      | _        |          | _        |          | <b>∤</b> ∤  |
|          | 32       | <u> </u> | _            |          | ⊢        | <u> </u>       |          | -            |                | <del> </del>   |   |       | 82        | $\square$           | _        |          |          |      |          |          | _        |          | Į ŀ         |
| -        | 33       | _        | _            |          | _        | <u> </u>       |          | -            |                | _              |   |       | 83        | $\sqcup$            | _        |          | _        |      | <u> </u> | _        |          |          | Į ⊦         |
| +        | 34       | <u> </u> |              |          | ├-       | <del> </del>   |          |              |                | _              |   |       | 84        | $\vdash$            | _        | _        | _        |      | _        |          |          | _        | Į ⊦         |
|          | 35       | ⊢        | <b>—</b>     |          | ⊢        | ├-             | _        | <u> </u>     |                |                |   |       | 85        | -                   | _        |          |          |      | _        |          | _        |          | l           |
| +        | 36<br>37 | <u> </u> | <u> </u>     | _        | ⊢        | <b> </b>       | -        | -            | ⊢              | <del> </del>   |   |       | 86        | -                   |          |          | _        |      | _        | _        |          |          | ł ⊦         |
| +        | 31       |          | _            | _        | ⊢        |                |          |              | _              | <u> </u>       |   |       | 87        |                     | _        |          |          |      |          | _        |          | _        | ł ⊦         |
|          | 38       |          | -            | _        |          |                |          | _            | ⊢              | Ь.             |   |       | 88        | -                   |          |          |          | _    | _        | _        | ļ        | _        | l ⊦         |
| +        | 39<br>40 |          | _            | _        | ⊢        | <u> </u>       | -        | ├-           | ⊢              | ⊢              |   |       | 89        | $\dashv$            | _        |          |          |      | _        | _        |          |          | Į ⊦         |
|          |          |          | ┝            |          | H        | -              | -        | -            | ⊢              | ┝              |   |       | 90        | $\dashv$            | -        |          |          |      | _        | _        |          |          | ł ⊦         |
| +        | 41<br>42 | -        | -            | _        | ⊢        |                | $\vdash$ | -            | ├              |                |   |       | 91<br>92  | $\dashv$            |          |          | -        |      |          | _        | _        |          | ł ⊦         |
|          |          | ├-       |              | _        | ⊢        | -              | _        | _            | ⊢              |                |   |       |           |                     | _        |          |          |      | _        |          |          |          | {    ⊦      |
|          | 43       | ⊢        | -            | -        | $\vdash$ | -              | $\vdash$ | -            | $\vdash$       | $\vdash$       |   |       | 93        | $\vdash \vdash$     |          |          | -        |      | <u> </u> | _        | <u> </u> | _        | <b> </b>    |
|          | 44       | -        | -            | _        | $\vdash$ | -              | $\vdash$ | ├            | $\vdash$       | <del> </del> — |   |       | 94        | $\vdash \vdash$     | _        |          | _        |      | <u> </u> | <b>-</b> | H        | $\vdash$ | -           |
| +        | 45<br>46 | ⊢        | <del> </del> | <u> </u> | ├-       | <del> </del> — | -        |              | ⊢-             | ⊢              |   |       | 95        | $\vdash \vdash$     | $\dashv$ | <u> </u> |          |      | <u> </u> | $\vdash$ | $\vdash$ | _        | -           |
|          | 46       | -        | -            | _        | -        | ├              | $\vdash$ | -            | ⊢              | ├—             |   |       | 96        | $\vdash$            | _        | -        | _        |      | <u> </u> | _        | $\vdash$ |          | <b>∤</b>    |
|          | 47       | $\vdash$ |              | -        | ├-       | <u> </u>       | $\vdash$ | $\vdash$     | $\vdash$       | $\vdash$       |   |       | 97        | $\vdash \vdash$     |          |          | <u> </u> | _    |          | <u> </u> | Н        |          | -           |
|          | 48       | <u> </u> | $\vdash$     | <u> </u> | -        | -              | <b> </b> |              | ├—             | $\vdash$       |   |       | 98        | $\vdash \downarrow$ |          |          |          |      | _        | $\vdash$ | <u> </u> | _        | -           |
| +        | 49<br>50 | $\vdash$ | -            | Ь—       | ├-       | ├-             | $\vdash$ | <del> </del> | <del> </del> — | $\vdash$       |   |       | 99<br>100 | $\vdash$            |          |          | <u> </u> |      |          | _        | $\vdash$ | <b>-</b> | -           |
| _L       | JU       | Щ        | L_           |          | Ц.       | L              | L.,      |              | <u> </u>       |                | ı |       | 100       | $\sqcup$            |          |          |          |      |          |          | Ш        |          | J L         |

| Cla           | aim                             | Date   |          |          |              |              |              |              |              |                |  |  |
|---------------|---------------------------------|--|----------|----------|--------------|--------------|--------------|--------------|--------------|----------------|--|--|
|               |                                 |  |          |          |              |              |              |              |              |                |  |  |
| Final         | Original                        |  |          |          |              |              |              |              |              |                |  |  |
|               | 101                             |  |          |          |              |              | Г            |              |              | П              |  |  |
|               | 102                             | Г  |          |          |              |              |              |              |              |                |  |  |
|               | 103                             | Г  |          |          | Г            |              |              |              |              | П              |  |  |
|               | 104                             |  |          |          |              |              |              |              |              |                |  |  |
|               | 105                             |  |          |          |              |              |              |              |              |                |  |  |
|               | 106                             |  |          |          |              |              |              | П            |              |                |  |  |
|               | 107                             |  |          |          |              |              |              |              |              | П              |  |  |
|               | 108                             |  |          |          |              |              |              |              |              |                |  |  |
|               | 109                             |  |          |          |              |              |              |              |              |                |  |  |
|               | 110                             |  |          |          |              |              |              |              |              |                |  |  |
|               | 111                             |  |          | $\Box$   |              |              |              |              |              |                |  |  |
|               | 112                             |  |          |          |              | Ĺ            |              |              |              |                |  |  |
|               | 113<br>114<br>115               |  |          |          |              |              |              |              |              |                |  |  |
|               | 114                             |  |          |          |              |              |              |              | L            |                |  |  |
|               | 115                             |  |          |          |              |              | L.           |              | L            |                |  |  |
|               | 116                             | <u> </u>   |          | _        | 匚            | <u> </u>     | <u> </u>     | $oxed{oxed}$ |              | Ш              |  |  |
|               | 117                             |  |          |          | L            |              |              |              | L            |                |  |  |
|               | 118                             |  |          |          |              |              |              |              |              | Щ              |  |  |
|               | 119                             |  |          |          | <u> </u>     |              | <u> </u>     |              |              |                |  |  |
|               | 120                             |  |          |          |              |              |              |              | <u> </u>     |                |  |  |
|               | 121                             | _  |          |          |              |              |              |              |              |                |  |  |
|               | 122                             |  |          |          |              |              | <u> </u>     |              |              |                |  |  |
|               | 121<br>122<br>123<br>124<br>125 |  |          |          |              |              | ļ.,          |              | ļ            |                |  |  |
| <u> </u>      | 124                             | <u> </u>   |          |          |              |              |              | _            |              | Ш              |  |  |
|               | 125                             | _  |          | L.       |              |              | _            | <u> </u>     | _            | Ш              |  |  |
|               | 126                             | <u> </u>   |          |          | _            | _            | _            | _            | _            | Ш              |  |  |
|               | 126<br>127<br>128               | _  | _        | <u> </u> | _            |              | ļ            | _            |              | L              |  |  |
|               | 128                             | _  | <u> </u> | _        | _            | <u> </u>     |              | <u> </u>     | L            |                |  |  |
| <u> </u>      | 129<br>130<br>131               | _  | _        | <u> </u> | <u> </u>     |              | <u> </u>     | <u> </u>     |              | Ш              |  |  |
|               | 130                             | <u> </u>   | <u> </u> | _        | _            |              | ļ            | <u> </u>     |              | Щ              |  |  |
|               | 131                             | <u> </u>   |          |          | _            |              |              | $\vdash$     | ļ            | Ш              |  |  |
|               | 132<br>133                      |  | -        | _        | -            | -            | <u> </u>     | -            | <u> </u>     | Н              |  |  |
|               | 133                             | -  | -        | $\vdash$ | <u> </u>     | ├—           | ⊢            | <u> </u>     | <u> </u>     | Н              |  |  |
| <u> </u>      | 134                             | <del> </del>                                       |          |          | <u> </u>     | $\vdash$     | $\vdash$     | $\vdash$     | -            | $\vdash\vdash$ |  |  |
| $\vdash$      | 135                             | ├-   | <u> </u> | <u> </u> | <u> </u>     | ├—           | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash$       |  |  |
| $\vdash$      | 136                             | <del> </del>                                       | _        | $\vdash$ | -            | -            | -            | -            | -            | $\vdash$       |  |  |
| <del></del>   | 137<br>138                      |  | $\vdash$ | $\vdash$ | -            | ├            | ┝            | -            | $\vdash$     | H              |  |  |
| $\vdash$      | 139                             | ├  | $\vdash$ | $\vdash$ | <u> </u>     | -            | ├-           | ├            | $\vdash$     | Н              |  |  |
| <del> </del>  | 140                             | $\vdash$   | $\vdash$ | -        | -            | $\vdash$     | ├            | ├            | ├—           | $\vdash$       |  |  |
|               | 141                             | $\vdash$   | $\vdash$ | $\vdash$ | <u> </u>     | $\vdash$     | $\vdash$     |              | $\vdash$     | Н              |  |  |
| -             | 142                             | $\vdash$   | $\vdash$ | $\vdash$ | -            | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash$       |  |  |
|               | 143                             | -  | H        | $\vdash$ | -            | $\vdash$     | <del> </del> | $\vdash$     | ├─           | Н              |  |  |
| $\vdash$      | 144                             | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$     | <del> </del> | ├            | $\vdash$     | -            | Н              |  |  |
|               | 145                             | <u> </u>   | $\vdash$ | Н        | —            | $\vdash$     | $\vdash$     | $\vdash$     | -            | Н              |  |  |
|               | 146                             | <del>  -                                    </del> | -        | H        |              | ┢            | $\vdash$     | ├            | $\vdash$     | $\vdash$       |  |  |
|               | 147                             | $\vdash$   | -        |          |              | $\vdash$     | $\vdash$     | -            | -            | H              |  |  |
| <del>  </del> | 148                             | $\vdash$   |          | -        | ⊢            | $\vdash$     | <del> </del> | $\vdash$     | -            | Н              |  |  |
| $\vdash$      | 149                             | $\vdash$   |          |          | $\vdash$     | $\vdash$     | $\vdash$     | ├─           | -            | Н              |  |  |
| $\vdash$      | 150                             | $\vdash$   | -        | $\vdash$ | <del> </del> | $\vdash$     | $\vdash$     | $\vdash$     | <del> </del> | Н              |  |  |
|               | 130                             | نيب  |          |          |              | L            | Ш.           |              | L            |                |  |  |